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CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

CD NO.

50X1-HUM

CONFIDENTIAL

COUNTRY Yugoslavia

DATE DISTR 21 OCT 49

50X1-HUM

SUBJECT Production of Rocket Projectiles at Fiume Torpedo Factory

NO. OF PAGES 1

NO. OF ENCLS. (LISTED BELOW)

SUPPLEMENT TO REPORT NO.

50X1-HUM

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1. At the end of March 1949, production of rocket projectiles powered with liquid fuel was begun at the Fiume torpedo factory.

2. The last experiments with proto-types were carried out from Mount Pohorje, near Maribor. The projectiles landed on the top of Mount Peca on the Austro-Hungarian border, the range being approximately 300 kilometers.

3. The projectiles are based on the German "MIRAK" type, and incorporate improvements worked out by the Rumanian (sic) scientist, Professor Herman Oberth.

4. Fuel tanks were designed by the German technician, Professor Ulrich Seaman, who is employed at the torpedo factory.

5. The following fuel specifications are known:

Nature of fuels and combinations	Calorific power in Kg. (probably thrust)	Theoretic max. discharge speed of gases (probably in meters per second)	Practical speed of liquid gases (with pressure of 20 atmospheres) (probably in meters per second)
(N_2O_4) plus gasoline	1,680	3,800	2,600
Tetranitromethane C (NO_2)4 plus gasoline	1,650	3,750	2,600
Liquid oxygen and gasoline	2,350	4,450	2,800
Liquid oxygen and methane	2,480	4,580	3,000
Hydrogen and nitrogen (sic)	3,950	5,750	3,500

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